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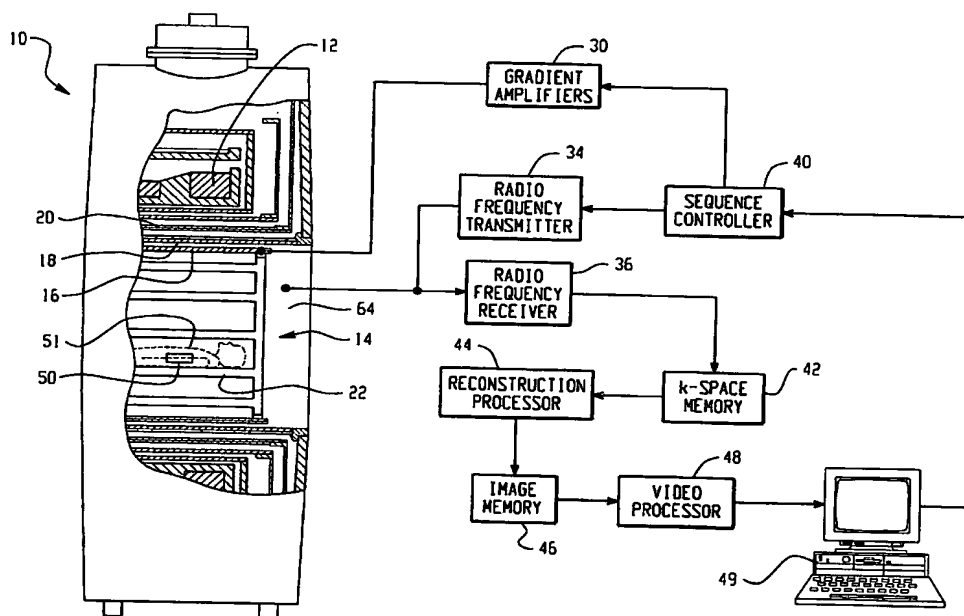
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(54) Title: **MAGNETIC RESONANCE COMPATIBLE STENT**



(57) Abstract: An intravascular stent (50) is provided for use in conjunction with a magnetic resonance imaging system. The stent is constructed to minimize the radio-frequency cage effect which results from currents being induced in stents when subjected to magnetic resonance related radio frequency signals. The stent includes a mesh of electrically conductive material and a non-conductive material disposed within the mesh for connecting the mesh in a generally tubular arrangement such that a net current flowing through the mesh is approximately zero and the RF cage effect is minimized.

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